Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/05/2022 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124366	-1	1.21	124286	1.19
Blue	F	SSC	125000	123692	-2	2.41	124090	2.24
Blue	E	FITC	13602	13261	-3	2.13	372	13.22
Blue	D	PE	24891	24331	-3	1.56	578	10.35
Blue	B	PerCP-Cy5-5	33972	32994	-3	2.79	943	14.51
Blue	A	PE-Cy7	22865	22574	-2	4.84	471	29.02
Red	C	APC	47198	46640	-2	2.57	1612	11.33
Red	A	APC-Cy7	26454	25397	-4	3.03	715	12.12
Violet	B	V450	6737	6500	-4	3.51	450	11.24
Violet	A	V500	29317	28493	-3	3.10	974	8.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23993	2.26	558	23	N/A	N/A	Pass
Blue	F	SSC	55722	1.85	516	-5	N/A	N/A	Pass
Blue	E	FITC	56	53.22	485	1	0.0450	103	Pass
Blue	D	PE	113	37.53	487	1	0.3992	274	Pass
Blue	B	PerCP-Cy5-5	148	41.74	582	3	0.0213	117	Pass
Blue	A	PE-Cy7	79	78.17	625	4	0.0251	10	Pass
Red	C	APC	337	25.69	574	2	0.0291	202	Pass
Red	A	APC-Cy7	134	35.04	551	0	0.0068	1611	Pass
Violet	B	V450	77	46.71	450	0	0.0636	2646	Pass
Violet	A	V500	115	32.95	470	1	0.0251	1183	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.63	-31.45	1.07
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.49	13.90 - 20.86	N/A	N/A	29.90	30.07	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 13428

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments